

# MagBeads Fast Circulating DNA Kit

## Ready-to-Use for MPure-32™ aNAP System

Cat. No.: 117033900 (96 Preps)



### Quick-Start Manual

Revision 4.0 May 2024

#### Notes before starting

- Add 4.5 mL Protease Dissolve Buffer into Proteinase K, and store at -20 °C after it dissolves.
- Add 0.15 mL Elution Buffer into the Carrier RNA, and store at -20°C after it dissolves.

### Automation Extraction

1. Peel off the sealing film on the 96-well reagent plate.
2. Add 30-50 µL elution buffer into well #6 and/or #12.
3. Transfer desired volume of sample and other components according to the following table:

**Note:** If the sample volume is less than 300 µL, add them to well #1 or #2 (#7 or #8). If the sample volume is between 300 and 1000 µL, split them evenly between wells #1 and #2 (#7 and #8).

Total Sample Volume (µL)	Well #	Components at Sample Well		
		Sample (µL)	PK (µL)	Carrier RNA (ng)
< 300	1 or 2 ; 7 or 8	300	20	50
300 - 1000	1 and 2 (sample 1); 7 and 8 (sample 2)	300-500	20	50

4. Run the assay with the following program:
  - Cir\_DNA\_v3

Step	Well	Process	Time (s)			Mixing Speed	Temp (°C)
			Mix	Wait	Attract		
1	#4/10	Collect	60	0	60	Medium	RT
2	#1/#7	Bind 1	300	0	120	Low	RT
3	#2/#8	Bind 2	300	0	120	Low	RT
4	#3/#9	Wash 1	90	0	60	Medium	RT
5	#4/#10	Wash 2	60	0	60	Medium	RT
6	#5/#11	Wash 3	60	0	60	Medium	RT
7	#5/#11	Dry	0	300	0	-	RT
8	#6/#12	Elute	300	0	120	Medium	RT
9	#1/#7	MagBeads Release	60	0	0	Medium	RT

5. Transfer the eluted nucleic acid into a clean 1.5 mL microcentrifuge tube. The eluent is now ready for downstream applications. Store the purified nucleic acid at -20°C for an extended storage.

**Note:** If there are still Magnetic Beads remaining in eluted DNA, please centrifuge at 14,000 x g for 3-5 mins and transfer the supernatant into a clean 1.5 mL microcentrifuge tube.

# Ordering Information

## Equipment

Automated extraction system from low to high throughput

Catalog No.	Product Name	Throughput
07EMC043	MPure-32™ aNAP System	Up to 32 samples
07EMC044	MPure-96™ aNAP System	Up to 96 samples



Instruments for lysing and homogenizing environmental and biological samples

Catalog No.	Product Name
116004500	FastPrep™ Classic
116005500	FastPrep-24™ 5G
116010500	FastPrep-96™
116012500	SuperFastPrep-2™

## Reagents

Wide range of reagent kits for extracting and purifying various types of environmental and biological samples for downstream applications.



Catalog No.	Product Name	Pack Size
117033100	(MPure-32) MagBeads FastDNA® Kit for Soil (Ready-to-Use)	96 preps
117033200	(MPure-32) MagBeads FastDNA® Kit for Feces (Ready-to-Use)	96 preps
117033300	(MPure-32) MagBeads FastDNA/RNA Kit for Virus (Ready-to-Use)	96 preps
117033400	(MPure-32) MagBeads FastRNA Kit (Ready-to-Use)	96 preps
117033500	(MPure-32) MagBeads FastRNA Kit for FFPE (Ready-to-Use)	96 preps
117033600	(MPure-32) MagBeads FastDNA® Kit (Ready-to-Use)	96 preps
117033700	(MPure-32) MagBeads FastDNA Kit for Blood (Ready-to-Use)	96 preps
117033800	(MPure-32) MagBeads FastDNA Kit for FFPE (Ready-to-Use)	96 preps
117033900	(MPure-32) MagBeads Fast Circulating DNA Kit (Ready-to-Use)	96 preps



### MP BIOMEDICALS

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